



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010622  
CERTIFICATION DATE: December 12, 2013  
DATE RECERTIFICATION DUE: June 10, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Timmy L. Neece, Jr.  
Forensic Scientist

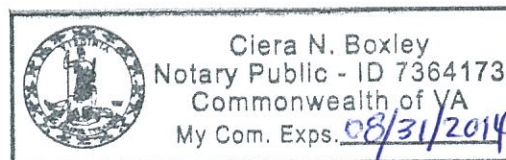
CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 30th day of  
December, 2013 by Timmy L. Neece, Jr.

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

*Not*



**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 12/13/2013**

*HMS*  
*TLN*

**Instrument Serial Number: 010622**

**As of 13-Dec-13**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
12-Dec-13	12-Dec-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
02-Jul-13	02-Jul-13	DBH (21250)	CERTIFIED.
16-Jan-13	16-Jan-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
25-Jul-12	25-Jul-12	DBH (21250)	CERTIFIED.
07-Feb-12	07-Feb-12	TLN (25387)	CERTIFIED.
18-Aug-11	18-Aug-11	SED (24178)	REPLACED DRY GAS STANDARD, CERTIFIED.
29-Apr-11	17-Mar-11	RJP (22428)	REPLACED PRINTER RIBBON.
17-Mar-11	17-Mar-11	RJP (22428)	CERTIFIED.
30-Sep-10	30-Sep-10	RJP (22428)	CERTIFIED.
28-Jul-10	08-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD.
08-Apr-10	08-Apr-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
20-Oct-09	20-Oct-09	RJP (22428)	CERTIFIED.
06-May-09	06-May-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
12-Dec-08	12-Dec-08	RJP (22428)	CERTIFIED.
21-Nov-08	21-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

HWB  
TLW

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010622 Worksheet Start Date 12/12/2013  
Location Campbell County  
Address 87 Courthouse Lane, Rustburg, VA 24588  
DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 748 Reference Barometer (mm HG) 747  
Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

## Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.297
0.300	0.295	0.286	0.303	Sample 2	0.296
Precision		sample min	sample max	Sample 3	0.296
0.001		0.296	0.297		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.098
0.100	0.098	0.095	0.101	Sample 2	0.098
Precision		sample min	sample max	Sample 3	0.098
0		0.098	0.098		

Dry gas standard Lot No. (with tank no.) AG320502-15

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:

50  
2 pads

## Notes:

Firmware/software upgrade.

Instrument Serial Number

010622

Certification Date

12/12/2013

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.243
0.250	0.245	0.237	0.252	Sample 2	0.243
Precision		sample min	sample max	Sample 3	0.243
0		0.243	0.243		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.146
0.150	0.147	0.142	0.151	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.147
0.001		0.146	0.147		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.079	0.076	0.082	Sample 2	0.078
Precision		sample min	sample max	Sample 3	0.078
0		0.078	0.078		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

12/13/13

Issuing Analyst



Date

12/16/13

msk

Handwritten initials and "TLN" in the top right corner.

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010622      Test Number: 1069

Test Date: 12/12/2013      Test Time: 09:19 EST

Dry Gas Target: 0.295

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 428 psi      Barometric Pressure: 747 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:20
CHK	0.298	09:20
BLK	0.000	09:22
CHK	0.297	09:23
BLK	0.000	09:24
CHK	0.296	09:25

Test Status: *Success*

Calibration CRC: 3DF7CE99

thb  
rhw

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010622      Test Number: 1070

Test Date: 12/12/2013      Test Time: 09:28 EST

Dry Gas Target: 0.098

Lot Number: AG227501-16      Exp Date: 10/01/2014

Tank Pressure: 497 psi      Barometric Pressure: 747 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:28
CHK	0.099	09:29
BLK	0.000	09:31
CHK	0.099	09:31
BLK	0.000	09:33
CHK	0.099	09:33

Test Status: *Success*

Calibration CRC: 3DF7CE99

AMS  
TLN




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  STANTON, HEATHER, M		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  18910	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  12/12/2013
TEST EQUIPMENT NUMBER  010622		

RESULTS: TIME SAMPLE TAKEN 09:41 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE





# IntoxNet MIS Report

Report Generated 12 Dec 2013 at 09:49

TIN  
TMS  
TLN

## Test Results

Instrument Serial Number 010622

Test # 001071

Subject Test

Test Location 1 Department of

Test Date 12 Dec 2013

Test Location 2 Forensic Science

Test Time 09:34

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 12 Dec 2013

End Time 09:42

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Standard Type Dry Gas Std

Standard Lot Number AG227501-16

Tank Pressure 487

Blow Sample Number 1

Blow Duration 3.46 sec

Blow Sample Number 2

Blow Duration 3.56 sec

Tamper Evident Stamp ccc1ad4b

Test Status Success

Operator's First Name HEATHER

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 18910

Operator's Middle Initial N

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

Result Date 12 Dec 2013

Result 0.00

Result Time 09:41

Sample Value Pass

Sample Value 0.000

Sample Value 0.098

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Value 0.000

Sample Time 09:35

Sample Time 09:36

Sample Time 09:36

Sample Time 09:38

Sample Time 09:38

Sample Time 09:39

Sample Time 09:41

Sample Time 09:42

Standard Value 0.098

Standard Expiration Date 10/01/2014

Barometric Pressure 747 mmHg

Blow Volume 1743 cc

End-of-Blow Time 09:38

Blow Volume 1734 cc

End-of-Blow Time 09:41

Test Status Code 0



AMS  
TV

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010622

System Date: 12/12/2013

System Time: 10:18 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HLMS  
TLN

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010622      Test Number: 1072

Test Date: 12/12/2013      Test Time: 10:20 EST

Dry Gas Target: 0.098

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 541 psi      Barometric Pressure: 746 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:21
CAL	0.098	10:22

Test Status: *Success*

Calibration CRC: BF7A46B5

*Handwritten initials and "TKN"*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010622      Test Number: 1073  
Test Date: 12/12/2013      Test Time: 10:25 EST

Technician Initials: HMS

Dry Gas Target: 0.245

Lot Number: 2961225012-08      Exp Date: 11/01/2014  
Tank Pressure: 149 psi      Barometric Pressure: 746 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:25
BLK	0.000	10:26
CHK	0.243	10:27
BLK	0.000	10:28
CHK	0.243	10:29
BLK	0.000	10:31
CHK	0.243	10:32
BLK	0.000	10:33

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS  
TLN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010622      Test Number: 1074  
Test Date: 12/12/2013      Test Time: 10:35 EST

Technician Initials: HMS

Dry Gas Target: 0.147

Lot Number: 2951215012-02      Exp Date: 11/01/2014  
Tank Pressure: 497 psi      Barometric Pressure: 746 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:36
BLK	0.000	10:37
CHK	0.146	10:37
BLK	0.000	10:39
CHK	0.147	10:39
BLK	0.000	10:41
CHK	0.147	10:42
BLK	0.000	10:43

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

*HMS*  
*TIN*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010622      Test Number: 1075  
Test Date: 12/12/2013      Test Time: 10:45 EST

Technician Initials: *HMS*

Dry Gas Target: 0.079

Lot Number: 0771308012-04      Exp Date: 05/01/2015  
Tank Pressure: 629 psi      Barometric Pressure: 746 mmHg  
System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	10:45
BLK	0.000	10:46
CHK	0.078	10:47
BLK	0.000	10:48
CHK	0.078	10:49
BLK	0.000	10:50
CHK	0.078	10:51
BLK	0.000	10:52

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS  
TLW

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010622      Test Number: 1076  
Test Date: 12/12/2013      Test Time: 10:53 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04      Exp Date: 05/01/2015  
Tank Pressure: 742 psi      Barometric Pressure: 746 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:54
BLK	0.000	10:54
CHK	0.019	10:55
BLK	0.000	10:56
CHK	0.019	10:57
BLK	0.000	10:58
CHK	0.019	10:59
BLK	0.000	11:00

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AND  
TLN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010622      Test Number: 1077

Test Date: 12/12/2013      Test Time: 11:04 EST

Dry Gas Target: 0.295

Lot Number: AG322702-08      Exp Date: 08/15/2015

Tank Pressure: 419 psi      Barometric Pressure: 746 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:05
CHK	0.297	11:06
BLK	0.000	11:08
CHK	0.296	11:09
BLK	0.000	11:11
CHK	0.296	11:11

Test Status: *Success*

Calibration CRC: BF7A46B5



HMS  
TLN

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010622      Test Number: 1078

Test Date: 12/12/2013      Test Time: 11:14 EST

Dry Gas Target: 0.098

Lot Number: AG320502-15      Exp Date: 07/24/2015

Tank Pressure: 1120 psi      Barometric Pressure: 746 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:15
CHK	0.098	11:15
BLK	0.000	11:17
CHK	0.098	11:18
BLK	0.000	11:19
CHK	0.098	11:20

Test Status: *Success*

Calibration CRC: BF7A46B5




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

ANS  
TLW

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  STANTON, HEATHER, M		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  18910	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  12/12/2013
TEST EQUIPMENT NUMBER  010622		

RESULTS: TIME SAMPLE TAKEN 11:28 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR  
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 13 Dec 2013 at 09:21

*Handwritten signature/initials*

## Test Results

**Instrument Serial Number 010622**

**Test # 001079**      **Subject Test**

**Test Location 1** Department of

**Test Date** 12 Dec 2013

**Test Location 2** Forensic Science

**Test Time** 11:21

**Remote/Local** Local

**Test Location 3**

**System Check** Passed

**Operator's Last Name** STANTON

**Agency** DFS Central Lab

**Card Serial Number** 118910

**Subject's Last Name** INSTRUMENT

**Subject's Middle Initial**

**Driver's License Number**

**Driver's License State**

**Operator's First Name** HEATHER

**License Number** 18910

**Effective Date** 10/01/2012

**Subject's Date of Birth** 00/00/0000

**Operator's Middle Initial** V

**Expiration Date** 10/01/2014

**Subject's First Name** TEST

**Subject's Sex** Male

**Driver's License Expiration** 00/00/0000

**Court Name** DFS

**End Date** 12 Dec 2013

**End Time** 11:29

**Result Time** 11:28

**Result Date** 12 Dec 2013

**Result** 0.00

**Data Type** DIAG

**Sample Value** Pass

**Sample Time** 11:22

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 11:22

**Data Type** CHK

**Sample Value** 0.098

**Sample Time** 11:23

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 11:25

**Data Type** SUBJ

**Sample Value** 0.000

**Sample Time** 11:25

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 11:26

**Data Type** SUBJ

**Sample Value** 0.000

**Sample Time** 11:28

**Data Type** BLK

**Sample Value** 0.000

**Sample Time** 11:29

**Standard Type** Dry Gas Std

**Standard Value** 0.098

**Standard Lot Number** AG320502-15

**Standard Expiration Date** 07/24/2015

**Tank Pressure** 1115

**Barometric Pressure** 746 mmHg

**Blow Sample Number** 1

**Blow Duration** 3.47 sec

**Blow Volume** 1741 cc

**End-of-Blow Time** 11:25

**Blow Sample Number** 2

**Blow Duration** 3.21 sec

**Blow Volume** 1739 cc

**End-of-Blow Time** 11:28

**Tamper Evident Stamp** 42820554

**Test Status Code** 0

**Test Status** Success